

Recent developments in experimental and computational chemistry, physics and life sciences have enabled a greater quantitative understanding of lipid asymmetry and its coupling to protein function. This Discussion will explore the various facets of membrane asymmetry, bringing together experts in membrane physical chemistry, membrane biophysics, and membrane physiology.

In this volume the topics covered include:

- Plasma membrane asymmetry and lipid homeostasis
- Engineering plasma membrane mimics
- Structure and dynamics of asymmetric membranes
- Proteins in asymmetric membranes

Front cover image:  
Simulations of asymmetric bilayers enable analysis of the sensitivity of experimental techniques to interleaflet imbalances in liposomes *in vitro*.  
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# Faraday Discussions

## Volume: 259

**Faraday Discussions** documents a long-established series of Faraday Discussion meetings which provide a unique international forum for the exchange of views and newly acquired results in developing areas of physical chemistry, biophysical chemistry and chemical physics.

The papers presented are published in the Faraday Discussion volume together with a record of the discussion contributions made at the meeting. Faraday Discussions therefore provide an important record of current international knowledge and views in the field concerned.

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